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Erfinder: FUJIMOTO TADASHI

Anmelder: NIPPON CARBURETER CO LTD

Titel: SWIRL CONTROLLING VALVE

Zusammenfassung

PURPOSE: To improve an economical efficiency of fuel and the measure against exhaust in a wide range region by generating a proper swirl corresponding to the rotational speed of an engine when a butterfly-shaped controlling valve begins to open.

CONSTITUTION: While a main valve plate 7 for opening and closing both sides of a valve shaft 6 is secured fixedly to the valve shaft, an auxiliary valve plate 13 for opening and closing one side is mounted pivotably in a cantilever manner. The auxiliary valve plate 13 is disposed in the upstream of a valve plate part 10 pivoted to the upstream side of an intake path 2 when opened in two valve plate parts 9, 10 for pinching the valve shaft 6 of the main valve plate 7 to be closed to some opening and pass air only through the opening portion at the valve plate part 9 side of the opposite side so that the turbulence caused by the flow of air from both sides and having no unified property is not produced.

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